MOBILITY 2.1.0 RELEASE NOTES
July 2009

TOPICS
1.   **General Mobility Application Modifications**
2.   **Reports**
3.   **Maintenance Management**

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1.   **General Mobility Application Modifications**

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Bridges
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A Bridge inventory has been added to Mobility in this release. This is a read-only inventory, divided into four tabs: Description, Structure, Condition and GIS. The data in Mobility will be updated from the BridgeWorks database periodically. Several reports have been created to display bridge data; they are discussed in more detail in the 'Reports' section, below.

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GIS
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A GIS tab has been added to most inventories. There are three ways to view GIS data in Mobility: State Plane Coordinates, Decimal Degrees and Degrees, Minutes, Seconds (DMS). The way the data is viewed is set county-wide, with every county initially set to State Plane Coordinates. A permanent change to this setting can be made by contacting the Mobility Support Team. Data can be manually entered into each inventory or data can be added by 'batch input'. Arrangements for batch inputs should be made with the Mobility Support Team.

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Menus
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The 'View' menu now has an option for 'Feature List Filter'. This option will assist with viewing the Feature List by allowing the user to select specific time periods for CLAS/Crash, Surface Condition and Surface History records.

The 'PSC View' option has been moved from the 'PMS' menu option to the 'View/Feature List Filter/Surface Condition' menu, described above.

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Pavement Management
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- Added Import Number to Surface Condition screen. This will show whether the data was manually input or imported, the date the record was added or modified, and the user.
- In Admin/Pavement Rehabilitations, the Rehabilitation Description on the Rehabilitations screen is now read-only, preventing accidental modification of previously defined Rehabilitations.
- In PMS/Decision Trees/Edit Decision Trees the Name and Description of a Decision Tree are now read-only, preventing accidental modification of previously defined Decision Trees.
- On the Projects Screen, the Projection Curve can be printed by clicking on 'View' then clicking on the printer icon located above the curve. The form can be re-sized for a larger printed picture, if needed.

- When changes are made to a Decision Tree Rule Collection, the date and time of the change, as well as the user id of the person making the change, will be saved and displayed.
- The Pavement Rating Group has been added to the Project screen.
- In PMS/Decision Trees/Edit Decision Tree Rule Collections, a rule cannot be saved without an 'operator'.
- The Decision Tree Error report (displays after running 'What' analysis) is now sorted by road number and milepost.
- The Decision Tree Rule Collection screen indicates if a Rule Collection uses an inactivated Rehabilitation (inactivated via Admin/Rehabilitations) by displaying an asterisk (*) before the Rule Collection name.

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Miscellaneous
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- Added Truck Speed Limit to the Roadlog/Traffic tab.
- Roadlog ADT Year has been added to the grid that is displayed when updating the Roadlog from a Traffic Study Result.
- All date fields (except maintenance requests and maintenance history) have a calendar for selecting a date.
- Maintenance requests and maintenance history dates default to the current date when entering data manually.
- The Reference Point grid displays leading zeros for road numbers that are less than 5 digits.
- The Audit Trail Dialog will display the Reference Number used for the last Audit Trail Record.
- The Maintenance Batch Update Wizard will only display populated inventories in the 'Select Inventory' drop down box. Example: if your county does not track Culverts in Mobility, Culverts will not be one of the options in the drop down.
- Added the inventory name to the message displayed when deleting a record to assist users with knowing exactly what will be deleted.
- Mobility Feedback is now easier and faster to submit. The form has been shortened and the database can be searched to view previously submitted feedback reports.

2.   Reports
Canned:
- Audit Trail Summary – (New) Found in Reports/Inventories/Roadlog – Displays information found in the Audit Trail for a specified audit year. Gives total mileage added or deleted for each transaction.
- Surface History Graph – (New) Found in Reports/Pavement Management/Surface History Graph – Displays graphical representation of the surface layers on the selected road.
- Bridge reports – (New) Found in Reports/Inventories/Bridges
  - Bridge Detail and Summary Reports – This report can be displayed either as a summary or as a detail report. Both the BridgeWorks and Mobility data are displayed for location and road name on both reports.
  - Bridge / Roadlog Comparison – Displays Bridge and Roadlog data that can be compared and are different such as Function Class, ADT, ADT Year, etc.   The differences are highlighted on the report. The report can be sorted by road number or road name.
  - Bridges Not Imported – Displays list of bridges that were not imported into Mobility from BridgeWorks because the bridge is located on a road that does not exist in Mobility.

- CLAS Collision Summary – (New) Found in Reports/Inventories/CLAS/CLAS Collision Summary – Displays summary of CLAS collision records. Users can select road(s), a date range, mileposts and how the report is sorted.
- Added Year and Scale to PSC Weighted Average Summary Report – Found in Reports/Pavement Management/ PSC Weighted Average Summary Report.
- Added budget and SMBP data to last page of Network Condition Report found in Reports/Pavement Management/Network Conditions.
- Modified Surface History Year Greater Than RoadLog Pavement Year Report to exclude records where the RoadLog BMP equals the Surface History EMP to omit duplicate entries.
- Modified CLAS APMVM Report to allow user to enter a date range rather than number of months, for better reporting accuracy. Found in Reports/Inventories/CLAS/APMVM Report.

Custom:
- qBridges – (New) Selects all fields from Bridges table and corresponding RoadLog fields.
- qStormSystems – (New) Selects Storm System data and some corresponding RoadLog fields.
- X, Y, Z and Spatial ID have been added to custom report queries. The data will display in the report in the format that has been globally set up for the county. See above section on GIS for more information. Displaying X, Y, Z data in reports may significantly increase report data retrieval time.

3.   **Maintenance Management**

The second phase of Maintenance Management deploys the Controlling Module, which includes data entry screens for Work Accomplished and Resources Used, as well as improvements to the Planning Module.

Planning Module:
- In Planning/Definition Set Up, 'Resource Units' has been added, for use in defining Material resources (tons, cubic yards, etc.) This table has been populated with commonly used data, but it can be modified.
- In Planning/Definition Set Up/Resources, Labor and Equipment resources will default to Resource Units of 'Person' and 'Each', respectively.

Controlling Module:
- This screen contains an area for daily data entry of work accomplished and the associated resources used to accomplish that work.
- A Work Accomplished record can be saved without entering data for Resources Used. To make arrangements for importing 'time card' information into Resources Used, contact the Mobility Support Team

Reports:
- All Maintenance Management reports are available in the Mobility Reports menu as well as within Maintenance Management from the 'Reports' menu option. Once the Maintenance Management Reports dialog box displays, expand the report topic to view the list of reports available. A description of each report can be viewed by right clicking on the report name. Users need 'read' permissions for Maintenance Management to run these reports from the Mobility menu.
- The process to export the 'Work Program and Budget Worksheet' to an excel file has been moved to the 'Tools' menu.
- Added 'Planned Expense', 'Unit', 'Hrs/Day' and '# Days' to Planned Resources Report.
- Added 'Avg Unit Cost' to Work Program and Budget Summary Report by Area.

- New Controlling (Progress) Reports:
  - Progress Report:
    - Detail Report displays accomplishments and resources used.
    - Summary Report by Activity summarizes progress by activities.
    - Summary Report by Area summarizes progress by areas.
  - Planned vs. Actual Report:
    - Detail Report lists each activity in each Maintenance Area with associated planned and actual data, year to date.
    - Summary Report by Activity summarizes planned and actual data by activity, year to date.
    - Summary Report by Area summarizes planned and actual data by area, year to date.

As always, please don't hesitate to call the Mobility Support Team at (360) 664-3299 x243 or email us at mobsupport@crab.wa.gov if you have questions or concerns. We welcome your feedback. .